



STEP A

REACTING A METAL PRECURSOR
AND A SURFACTANT
IN A SOLVENT
TO FORM A METAL-SURFACTANT
COMPLEX SOLUTION

101

STEP B

ADDING THE METAL-SURFACTANT
COMPLEX SOLUTION
TO A SECOND SOLUTION CONTAINING
A SECOND SOLVENT,
A SURFACTANT AND A REAGENT
AT A CONTROLLED INJECTION RATE
USING A SYRINGE PUMP

102

STEP C

ALLOWING THE RESULTING
REACTION MIXTURE
TO PRODUCE NANORODS

103

STEP D

SEPARATING AND PRECIPITATING
THE NANORODS
BY ADDING A POOR SOLVENT

104

STEP E

RETRIEVING THE NANORODS
BY CENTRIFUGATION

105

FIG. 1